

DERWENT-ACC-NO: 2001-507360 /

DERWENT-WEEK: 200156

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TITLE: Toothbrush uses holes formed in elastic bodies  
provided in hard body of head portion for embedment of  
brush bundles to make each brush bundle incline in  
preset range by cleaning force from teeth

PATENT-ASSIGNEE: LION CORP [LIOY]

PRIORITY-DATA: 2000JP-0007618 (January 17, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
JP 2001190333 A	July 17, 2001	N/A
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APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
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INT-CL (IPC): A46B007/06, A46B009/04

ABSTRACTED-PUB-NO: JP2001190333A

BASIC-ABSTRACT:

NOVELTY - Several elastic bodies (3) are provided in a head portion (2) which has a hard body (1). Several brush bundles (5) are embedded in embedment holes (4) formed in the elastic bodies so that the embedment portion of each brush bundle is inclined within a range of 0.5-80 deg. by elastic deformation of each elastic body with the cleaning force acting on the brush bundles from the teeth.

**DETAILED DESCRIPTION** - An **INDEPENDENT CLAIM** is also included for the manufacturing method of a toothbrush.

**USE** - For mounting the brush bundles to a toothbrush used for brushing and cleaning teeth.

**ADVANTAGE** - An ideal movement can be imparted to the brush bundles to make them reliably fit in a variety of uneven portions in the mouth of a person and toothbrush of good operativity can be provided since the brush bundles are embedded in holes formed in elastic bodies provided in the hard body of a head portion to make each brush bundle incline within a preset range with the elastic deformation of the elastic bodies by the cleaning force acting on the brush bundles from the teeth. An adequate hair implantation strength can be secured extremely hygienically.

**DESCRIPTION OF DRAWING(S)** - The figure shows the cross sectional view and plan view of toothbrush head portion.

Hard body 1

Head portion 2

Elastic body 3

Brush embedment hole of elastic body 4

Brush bundle 5

**CHOSEN-DRAWING:** Dwg.1/11

**TITLE-TERMS:** TOOTHBRUSH HOLE FORMING ELASTIC BODY HARD BODY HEAD  
PORTION EMBED

BRUSH BUNDLE BRUSH BUNDLE INCLINE PRESET RANGE CLEAN  
FORCE TOOTH

**DERWENT-CLASS:** P24

**SECONDARY-ACC-NO:**

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